

C1
ant

for 10 minutes and deposited on denatured (70% formamide, 2X SSC at 70°C for 2 minutes) chicken or turkey metaphases, mounted, sealed with rubber cement and incubated in a humidified chamber at 37°C for 18 to 20 hours. The slides were washed in 50% formamide/2X SSC at 42°C for 15 minutes and 0.1X SSC at 60°C for 15 minutes. Blocking was done using 2% blocking reagent (Boehringer Mannheim) and the signals were detected using avidin-FITC (5 µg/ml, Vector labs) in 1% blocking solution. Slides were washed in 4X SSC/0.1% TWEEN-20 (polyoxyethylene sorbitan monolaureate) for 15 minutes at 42°C, stained for 10 minutes in propidium iodide (400 ng/ml in 2X SSC) and rinsed for 5 minutes in 2X SSC/0.01% TWEEN-20. Slides were mounted in p-phenylenediamine-11 (PPD-11) antifade and observed under a Zeiss Axioskop fluorescent microscope. --

Please amend the captioned paragraph beginning on line 13 of page 10 as follows:

-- SEQUENCE 1 (43.Seq)

C2

1 gatcactttc cctaatttc ttgtgtttct tgtttgttga cctgtaatgc
51 agttctgagt ttggaaagg aactaattaa gaccagagga gagataattt
101 tctttatca aaaaacaaac aaacaaacaa aaaaacgaat tcttaccact
151 ttacaaaaat ttccatttt gaaggccagt acagccatag cattcatcta
201 ctttttgctt tggat (SEQ ID NO: 1) --

[Please amend the captioned paragraph beginning on line 1 of page 11 as follows:]

-- SEQUENCE 2 (71.Seq)

C3

1 gatcagggtgg cctgtagtag acaacaacaa caatgggggtg ccctttgttg
51 ccttagtctc taactcgcac ccacacacac ttcaagttg cttgtggcca
101 ttcttcaggg acagtcttc acaatctatt ctttctctga tgtagaaggc

C3
cont.

151 gtcacctect cccctcctgc ctctgttgc ccttctaac tgcaggtatt
201 agtattgata gctaaggta agtcatggga accatctcac caggtttcag
251 tgttggaac tatgttatgc ttcttagga gcatggtggt tccaactctt
301 cctgtcttat ttccaagct gtgtgtgat gtaggatagc attcaagtgg
351 gaggagccta tcggctttt ggaggtactc ctaaatccct gatattcccc
401 tgattcccg acttcttct tgccaagggc ccgccaatgc atagttcaat
451 ttctcatgca gacgctaagg aaaggtggac cc (SEQ ID NO: 2) --

[Please amend the captioned paragraph beginning on line 12 of page 11 as follows:]

-- SEQUENCE 3 (80.Seq)

C4

1 gatcgtatgt attttttac ataggataga aaatggccaa taggaaataa
51 gacagtacag ctactaagaa agaaacacaa ttacacacac acacacacac
101 acacacacac acacatttga aaaacgcgct gcacagcagt gtgggtattt
151 ttccacaaga gagacacact ctacagtaca cagccagctc tactttgtcg
201 cacagtctca gtgtgtgtt gccaacagga cgcgggtcac aggagatat
251 tgcctcttg tgtgtgtgga gacacagaga cagag (SEQ ID NO: 3) --

[Please amend the captioned paragraph beginning on line 1 of page 12 as follows:]

-- SEQUENCE 4 (81.Seq)

1 gatcccttg aggaaggga atggcaacc actccagtat tcttgcctga
51 agaataccat ggtcagttt gctcctggg ctatagtcca tggggttga
101 aagagtcagg catgactgag cgactctctc tctctctc tctctctc
151 acacacacac acacacacac acacagggc tctctctc tctctataca
201 tataggctgt gtgtctcgt attctcat gagggaaact catactagc

251 acgtggcaca aatattgttt gtggtctca caaaagacat gtgggcgcac

301 aaaggtcccc ccccggtgga tacancgcct tggttttta taaccaage

351 ctgtg (SEQ ID NO: 4) --

[Please amend the captioned paragraph beginning on line 10 of page 12 as follows:]

-- SEQUENCE 5 (131.Seq)

1 gatcacatat gtaaactagg gaattgcata ataagattaa atgtaggtgt

51 agaactgggc atgaaggaag gtagaattag gtggtaccta tctctctga

101 aacaaactga gaatcctact accaatcaac atattctaca taccacacac

151 acatttttc tcgagtaaaa tataaactaa tgagaaactt ccctag (SEQ ID NO: 5) --

[Please amend the captioned paragraph beginning on line 15 of page 12 as follows:]

-- SEQUENCE 6 (147.Seq)

1 gatcccaagc aacacatagn cagacaatca cacacacaca cacacacaca

51 cacacacaca cacacacaca cacatcctct cccacaata catcccgaga

101 ggggggagag acactctctc tcctctctta taggggagac ccggagagct

151 ggtctgttg tctctctaca ccggacatac agtggagcac atctcacact

201 tgtgtcttg tctctctaca ccggacatac agtggagcac atctcacact

251 tgtgtctta tctctcctg tcctgttga tccatctctc ttacacacac

301 tctccagatc ttagegctag agtctcctgt cttctctctg cgcaattgt

351 gtgatagaga cacctgatat gttgtgtggg ggagacatct gtgtgtctct

401 gtgtcatccc agaggatttt tctctccac acttagaggc cttctcaaga

451 gatgggaggt ttaatgggg tgtg (SEQ ID NO: 6) --

Please amend the captioned paragraph beginning on line 6 of page 13 as follows:

-- SEQUENCE 7 (166.Seq)

1 gatcattctt ctgtttccca ttctaattggg aattctccac acacacacac
51 acacacacac acacacacat cttcttcccc ttacatggaa aaaaatcctc
101 cacaccctg gacactgatt actctccctc ttcccagaga gagatc (SEQ ID NO: 7) --

Please amend the captioned paragraph beginning on line 10 of page 13 as follows:

-- SEQUENCE 8 (196.Seq)

1 gatcccctag agaaggggaat ggctactcac tccagtattc ttgcctggag
51 aattccgtgg tcagaggagc ctggaaggct ataatccata gattcgcaag
101 agtcagacag gactgagtga ctaacacaca catgcacaca cacacacaca
151 cacacacaca ctgtctctag ggagaggcat agagatgtaa tctctctaa
201 aatgggggtg gcatggccc ctgaggccaa gtaatcgcca cacatgcgta
251 ttccccttaa gattgggtta ggcctccctt atgaggagag accagggaga
301 gaatgggctc tctctctc tcactccca accgagtaag tggtaaaaaa
351 ggtttctctg gattacaatt ttggtgttac agaattggaa aaaaatattt
401 ttggggctcc cccctcagtt ta (SEQ ID NO: 8) --

Please amend the captioned paragraph beginning on line 1 of page 14 as follows:

-- SEQUENCE 9 (199.Seq)

1 ctagcaaaaa cacccccaca agttatgaaa acaacggctt aatatagtaa
51 tgtgtgtgtg tgtgtgtgtg tgtgcacac cacagtttc tctgatactc
101 aaacctctct ctttctctac agggggcccc cataacacag cggctgagat
151 gtgtgacggg aaggcgtggc cttttacaca ttgttggtat ggtctgceaa

201 ggccccctat tgccccccac aactacggag atacactagg ggcgaccgc

251 aggcgcgcga cccccaggtg gggccccgag (SEQ ID NO: 9) --

[Please amend the captioned paragraph beginning on line 8 of page 14 as follows:]

-- SEQUENCE 10 (204.Seq)

1 cttaggagg ttctctgag taagctttt ggattcttt ggttccaag

51 catcacatgg tacaggcagt cacacacaca cacatacaca cacacacaca

101 cacacacaca cactctctc cccacaatac ataccgagag gggggagaga

151 cactctctc cctctctat agggggagcc ccacagagct ggctctgtg

201 tctctctcca ccggacatac agtggagcac atctcacact tctgtcteta

251 tctctccctg ccctgtgac atccatctct cttcacacaa tctcaccag

301 gatcttagcg ctagagacc cctgtccttc ttctctggg gaaattttt

351 gtggataaga gacaccgat atattggtgt gggggagaac atcttgtgag

401 gtctctgttg tgccatcca acaggaattt ttatctccc cacaattaga

451 ggccccctct caagagtgtg tgagggtt (SEQ ID NO: 10) --

[Please amend the captioned paragraph beginning on line 1 of page 15 as follows:]

-- SEQUENCE 11 (235.Seq)

1 gatcacagat gtatgtattt tttacatag gatagaaaat ggacaatagg

51 aaataagaca gtacagctac taagaaagaa cccacattta cacacacaca

101 cacacacaca cacacacaca agtgtttaat ccgctgcaca gcattgtgga

151 catttttaca caagagagac acactctaca gtttgcgccc agctctag (SEQ ID NO: 11) --

☐ Please amend the captioned paragraph beginning on line 6 of page 15 as follows: ☐

-- SEQUENCE 12 (249.Seq)

1 gatcattctt ctgtttccca ttctaattga attctccaca cacacacaca

51 cacacacaca cacacactct tctttctct gacatggaaa aatctccccc

101 acaccccggg aactgattt ctctccctct cccaacact gtgagcaaga

151 ggagtttatt ttgtgtgtgt cactctcca gggagagaga gatc (SEQ ID NO: 12) --

☐ Please amend the captioned paragraph beginning on line 11 of page 15 as follows: ☐

-- SEQUENCE 13 (258.Seq)

1 ctaggcatcg gttgggaggt ggtgagtaat tacttgtctg acattagtcc

51 tgaacattg ggtgtgtgtg tgtgtgtgtg tgtgtattcc ccttggaat

101 tggtttctc aaccacaagt tctcttttt tttttctc ccccttttc

151 ttctgaaaat aagtacttgg ggggtttccg cccccccgg taaataaaat (SEQ ID NO: 13) --

☐ Please amend the captioned paragraph beginning on line 16 of page 15 as follows: ☐

-- SEQUENCE 14 (290.Seq)

1 ctagtggctc ccaagcaaca catagccaga caacacacac acacacacac

51 acacacacac acacacacac acacacactc ctctcccac aatacatccc

101 gagagggggg agagacactc tctctccctc tctatagcgg gagccccaca

151 gagctggctc tgctgtctct ctacaccgga catacagtgg agcacatctc

201 acatttgtgt ctctatctct cctgcccct ggtgacatac atctctcttc

251 acacatctca ccaggtctga gcgctagagt ctctgtctt ctctctgcgc

301 aatatttgtg atagagacat ctgatatatt gtgtgtggga gacatcttgt

351 gagtctctgt gtgcaccca gaggattttt atctcccac actag (SEQ ID NO: 14) --

[Please amend the captioned paragraph beginning on line 6 of page 16 as follows:]

-- SEQUENCE 15 (309.Seq)

C3
cont

1 gatccatgaa aactttccga gttgtattgt ctaggatgaaa acacacacaa
51 acacacacac acacacacac acacaacagg gagatgagtc ttgaagaga
101 ataggggaga gttatgtcac caagtctggt gaggtatata gcgtataggg
151 agccaacatg tcagacatct gatgtgctaa gattaacatt ttattttatt
201 taatgtgtga gatctcatat agcggctctt cttatatatg acgtctcgca
251 atgtctcttt atgtgtgtta ttctctgagc cctggggaga tatctgtcat
301 cagagagaag agacatacac atacaggggt tatatatattt ctcctgtgt
351 gtggagatgg aggggtatttt ggacaagctc aacactcatt ggtcccaga
401 gagagaaaag gagcaactgt tgcacccggg gctctgtage tgggatc (SEQ ID NO: 15) --

[Please amend the captioned paragraph beginning on line 15 of page 16 as follows:]

-- SEQUENCE 16 (341.Seq)

1 caattgggta catctacctg gtaccccacc cgggtggaaa atgcatggg
51 cccgcggcgg ttctaggaag tactctcgag aagcttttgg gttctttggg
101 tccaagcag cacatggaca ggcaatcaca cacacacaca cacacacaca
151 cacacacaca cacacacaca ctctctccc cacaatacat cccgagaggg
201 gggagagtca ctctctctcc ctctctatag ggggcgcccc taagagctgg
251 ctctgtgtc tatctacacc gcacatacaa tgagacaaa ctcacactag (SEQ ID NO: 16) --

[Please amend the captioned paragraph beginning on line 2 of page 17 as follows:]

-- SEQUENCE 17 (398.Seq)

1 gatcaaagca tggaggatcat gccaggcact gaacaaaatg gtagagagtg
51 attctatgac tgactaagac ctcattgcaac aacaagtga gagtcacaac
101 tgcaaacaga agtacaactt agcaaatcct atttcagga aacactaaac
151 cgtataactt gcacgatttt ttctttaata cagtaataat tcttttagaa
201 ttggatata tcttttaaga tacatatttg tctaaatacc aaggcaggat
251 atgagcataa aatagctaag gttagctatg gtgttatatt taagaagacc
301 acagagcaat aggagcatac tttcttggg gtagaagggg cccttaaagg
351 tcacctag (SEQ ID NO: 17) --

[Please amend the captioned paragraph beginning on line 11 of page 17 as follows:]

-- SEQUENCE 18 (420.Seq)

1 ctagccacat cctataactc cactccacct ttaatcctga ttctgtgtc
51 tcttctctaa cctctatggc ctttctctaa agtccccaa tatcaacaat
101 cctttcccc actgggacct ccagtttatt gattctacca tgcactatc
151 catggtaac cactgtgtgt attataggat gtcgcgtgtg tgtgtgtgtg
201 tgtgtgcatg tgtgtgtgct tgggtgtcag agagtccaa tctgggggac
251 ctatggttg taaacaacag gtctcttgcc aaggaagat (SEQ ID NO: 18) --

[Please amend the captioned paragraph beginning on line 18 of page 17 as follows:]

-- SEQUENCE 19 (435.Seq)

1 ctagcgtcgtg tgccccgtgca gttcgacact cagtgggtcc tccacacaca
51 cacacacaca cacatcaata tatatataga tagatagata gatagaggag